PALM INTRANET

Day : Monday
Date: 12/22/2003

Time: 13:19:53

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
Huang	Manley	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

h e eb cg b e f e

Freeform Search

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Term: L3 and (immunodeficient)

Display: 10 **Documents in Display Format:** - **Starting with Number** 1

Generate: ○ Hit List ◉ Hit Count ○ Side by Side ○ Image

Search | Clear | Interrupt

Search History

DATE: Monday, December 22, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND			
L10	L3 and (immunodeficient)	10	L10
L9	L6 same L3	0	L9
L8	L6 same L3	0	L8
L7	L6 and L3	18	L7
L6	L5 or L4	4619	L6
L5	(knockout or disruption) same (TCR or CD3 or (Ig adj gene))	132	L5
L4	(RAG-? or SCID)	4533	L4
L3	L2 same (DR3/DQ2 or DR3-DQ2 or DR3)	25	L3
L2	(HLA) same (transgenic)	474	L2
L1	Huang-Manley.in.	2	L1

END OF SEARCH HISTORY

06774280 EMBASE No: 1997055773

Phenotypic and functional evidence for the expression of CD4 by hematopoietic stem cells isolated from human fetal liver

Muench M.O.; Roncarolo M.G.; Namikawa R.
Dr. R. Namikawa, DNAX RIMCB, 901 California Ave, Palo Alto, CA 94304-1104 United States

Blood (BLOOD) (United States) 1997, 89/4 (1364-1375)
CODEN: BLOOA ISSN: 0006-4971
DOCUMENT TYPE: Journal; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 60

...into human fetal bone fragments, supportive of B-lymphoid and myeloid growth, or into human fetal thymic fragments, supportive of T-cell growth, implanted in *scid*/*scid* (*SCID*) mice. However, in *SCID*-hu mice transplanted with graded doses of donor cells ranging from 2.0 x 10sup 2 to 2.0 x 10sup 4 cells, BM reconstitution...

DRUG DESCRIPTORS:
HLA *DR3* antigen; cd14 antigen; cd15 antigen; cd16 antigen; cd19 antigen; cd20 antigen; cd3 antigen; cd33 antigen; cd34 antigen; cd38 antigen; cd4 antigen; cd45 antigen; cd7 antigen...

?logoff

```
       22dec03 13:36:46 User259876 Session D575.2
            $2.42    0.757 DialUnits File155
               $0.84  4 Type(s) in Format  3
            $0.84  4 Types
     $3.26  Estimated cost File155
            $4.40    0.785 DialUnits File5
               $3.50  2 Type(s) in Format  3
            $3.50  2 Types
     $7.90  Estimated cost File5
            $5.58    0.603 DialUnits File73
               $2.55  1 Type(s) in Format  3
            $2.55  1 Types
     $8.13  Estimated cost File73
            OneSearch, 3 files,  2.145 DialUnits FileOS
     $1.86  TELNET
    $21.15  Estimated cost this search
    $21.76  Estimated total session cost   2.302 DialUnits
```

Status: Signed Off. (8 minutes)

```
### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
 ******** HHHHHHHH SSSSSSSS?
### Status: Signing onto Dialog
 ********
ENTER PASSWORD:
 ******** HHHHHHHH SSSSSSSS? ********
Welcome to DIALOG
### Status: Connected


Dialog level 03.05.00D

Last logoff:  18dec03 11:26:52
Logon file001 22dec03 13:29:28
           *** ANNOUNCEMENT ***
                    ***
--File 654 - US published applications from March 15, 2001 to the
present are now online.  Please see HELP NEWS 654 for details.

                    ***
--File 581 - The 2003 annual reload of Population Demographics is
complete. Please see Help News581 for details.


                   ***
--File 990 - NewsRoom now contains February 2003 to current records.
File 992 - NewsRoom 2003 archive has been newly created and contains
records from January 2003. The oldest months's records roll out of
File 990 and into File 992 on the first weekend of each month.
To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new
OneSearch category.
                    ***
--Connect Time joins DialUnits as pricing options on Dialog.
See HELP CONNECT for information.
                    ***
                    ***
--SourceOne patents are now delivered to your email inbox
as PDF replacing TIFF delivery. See HELP SOURCE1 for more
information.
                    ***
--Important news for public and academic
libraries.  See HELP LIBRARY for more information.
                    ***
--Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                    ***
NEW FILES RELEASED
***DIOGENES: Adverse Drug Events Database (File 181)
***Emergency Room (File 454), Hospital Inpatient Profiles (File 462),
   and Hospital Outpatient Profiles (File 463)
***World News Connection (File 985)
***Dialog NewsRoom - 2003 Archive (File 992)
***TRADEMARKSCAN-Czech Republic (File 680)
***TRADEMARKSCAN-Hungary (File 681)
***TRADEMARKSCAN-Poland  (File 682)
                    ***
UPDATING RESUMED
                    ***
RELOADED
***Population Demographics -(File 581)
```

```
***CLAIMS Citation (Files 220-222)

REMOVED
                    ***

      >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
      >>>    of new databases, price changes, etc.      <<<
                    ****
KWIC is set to 50.
HILIGHT set on as '*'
* * *                                    * * *

File   1:ERIC  1966-2003/Dec 22
       (c) format only 2003 The Dialog Corporation

      Set  Items  Description
      ---  -----  -----------
Cost is in DialUnits
?b 155, 5, 73
       22dec03 13:29:45 User259876 Session D575.1
            $0.55    0.156 DialUnits File1
    $0.55  Estimated cost File1
    $0.06  TELNET
    $0.61  Estimated cost this search
    $0.61  Estimated total session cost   0.156 DialUnits


SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R)  1966-2003/Nov W4
        (c) format only 2003 The Dialog Corp.
*File 155: Medline has temporarily stopped updating (12-2003). And for
notice of corrected dosage, please see HELP NEWS 154.
  File   5:Biosis Previews(R)  1969-2003/Dec W2
        (c) 2003 BIOSIS
  File  73:EMBASE  1974-2003/Dec W1
        (c) 2003 Elsevier Science B.V.

      Set  Items  Description
      ---  -----  -----------
?s (HLA) (s) (transgenic)
          185826  HLA
          127284  TRANSGENIC
      S1    1968  (HLA) (S) (TRANSGENIC)
?s s1 (s) (DR3/DQ2 or DR3-DQ2 or DR3)
>>>Invalid accession number: DQ2 DQ2 in one or more files
            1968  S1
            7854  DR3/DQ2
               2  DR3-DQ2
            7854  DR3
      S2     113  S1 (S) (DR3/DQ2 OR DR3-DQ2 OR DR3)
?s (RAG-1 or RAG-2 or SCID)
             127  RAG-1
             118  RAG-2
           23586  SCID
      S3   23743  (RAG-1 OR RAG-2 OR SCID)
?s (knockout or disruption) (s) (TCR or CD3 or (Ig (w) genes))
           56226  KNOCKOUT
          123214  DISRUPTION
           45563  TCR
           59450  CD3
           69791  IG
          901539  GENES
            1389  IG(W)GENES
      S4     984  (KNOCKOUT OR DISRUPTION) (S) (TCR OR CD3 OR (IG (W)
                  GENES))
?s s3 or s4
           23743  S3
```

```
              984  S4
      S5    24695  S3 OR S4
?s s5 and s2
            24695  S5
              113  S2
      S6        0  S5 AND S2
?s s2 and (immunodeficient)
              113  S2
            12630  IMMUNODEFICIENT
      S7        0  S2 AND (IMMUNODEFICIENT)
?s s2 and (donor (w) specific)
              113  S2
           230611  DONOR
          2466250  SPECIFIC
             6533  DONOR(W)SPECIFIC
      S8        0  S2 AND (DONOR (W) SPECIFIC)
?s s5 and (donor (w) specific)
            24695  S5
           230611  DONOR
          2466250  SPECIFIC
             6533  DONOR(W)SPECIFIC
      S9       68  S5 AND (DONOR (W) SPECIFIC)
?s s9 and (HLA)
               68  S9
           185826  HLA
     S10        6  S9 AND (HLA)
?rd
...completed examining records
     S11        4  RD (unique items)
?t s11/3,k/all
```

11/3,K/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)
(c) format only 2003 The Dialog Corp. All rts. reserv.

09341607 21100749 PMID: 11163098

Loss of tolerance to a maternal kidney transplant is selective for *HLA* class II: evidence from trans-vivo DTH and alloantibody analysis.

Burlingham W J; Jankowska-Gan E; VanBuskirk A; Orosz C G; Lee J H; Kusaka S

Department of Surgery, University of Wisconsin-Madison, Madison, WI 53792-7375, USA. burlingham@surgery.wisc.edu

Human immunology (United States) Dec 2000, 61 (12) p1395-402, ISSN 0198-8859 Journal Code: 8010936

Contract/Grant No.: K02-AI01452; AI; NIAID; R01-AI44077; AI; NIAID; R01-HL61966; HL; NHLBI; R29-AI40909; AI; NIAID

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Loss of tolerance to a maternal kidney transplant is selective for *HLA* class II: evidence from trans-vivo DTH and alloantibody analysis.

... his mother and who had been off all immunosuppressive drugs for 7 years at the time of graft rejection onset. The mother differed for one *HLA*-A (A3) and one *HLA*-B (B62) antigen but had only a subtype mismatch at the *HLA* -DR beta 1 locus (donor: DR beta 1*1104; recipient: DR beta 1*1102). A gradual rise in serum creatinine from 1.8 to 2...

... 9, but a donor-reactive antibody did develop at year 10.2 shortly after the peak of DTH response. The serum level of soluble donor *HLA* class I B62 antigen rose > 10-fold over prerejection level at the time of the biopsy-proven rejection, suggesting a possible trigger for both the cellular and humoral immune response. Nonetheless, we found no evidence for the development of humoral or cellular immunity to maternal *HLA* class I. Instead, DTH analysis of memory T cells of the patient obtained after rejection showed that a single maternal *HLA* DR beta 1*1104 allopeptide,

differing by two amino acids in sequence from the peptide of the recipient (DR beta 1*1102), stimulated a strong memory DTH response. Similarly, we found an anti-*HLA* class II *donor*-*specific* antibody in serum that appeared to be crossreactive with DR beta 1*1104 and DR beta 1*1101 but not with the recipient DR beta 1*1102 antigen. The data support the idea of a profound unresponsive state at both the cellular (DTH) and humoral level toward maternal *HLA* class I antigens that was not reversed even during late cellular rejection, despite the release of high levels of soluble *HLA* class I. Furthermore, the data suggest that DTH recovery was a close correlate of the onset of rejection and this "indirect" alloresponse, like the anti-donor alloantibody response that followed, was directed not to noninherited maternal *HLA*-A,B antigens but to the maternal *HLA* DR beta 1*1104 subtype.

Descriptors: *HLA*-DR Antigens--immunology--IM; *Hypersensitivity, Delayed--immunology--IM; *Immune Tolerance; *Isoantibodies--biosynthesis --BI; *Kidney Transplantation--immunology--IM; Adolescent; Adoptive Transfer; Antibody Specificity; Graft Rejection--immunology--IM; *HLA* Antigens--metabolism--ME; Immunologic Memory; Isoantibodies--analysis--AN; Isoantigens--immunology--IM; Lymphocyte Transfusion; Mice; Mice, *SCID*; Postoperative Period; Solubility; Tissue Donors

Chemical Name: *HLA* Antigens; *HLA*-DR Antigens; Isoantibodies; Isoantigens

11/3,K/2 (Item 2 from file: 155)

05163753 86164558 PMID: 3514234

Self-tolerance to host and donor following *HLA*-mismatched bone marrow transplantation.

De Villartay J P; Griscelli C; Fischer A

European journal of immunology (GERMANY, WEST) Feb 1986, 16 (2) p117-22, ISSN 0014-2980 Journal Code: 1273201
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Self-tolerance to host and donor following *HLA*-mismatched bone marrow transplantation.

The transplantation of T cell-depleted *HLA*-haploidentical bone marrow can correct the severe combined immunodeficiency disease (*SCID*) caused by the inherited absence of T lymphocytes. Despite a different environment, no severe graft-vs.-host reaction occurred and engrafted T lymphocytes became functional. We have studied tolerance of engrafted T lymphocytes to donor and host *HLA* antigens in four *SCID* patients who have been transplanted with bone marrow from one of their *HLA* -haploidentical parents. Graft-vs.-host reaction was prevented by T cell depletion of infused bone marrow using E rosetting and by in vivo administration of...

... donor was always observed within the first 300 days post-grafting. This autoreactivity was mediated by T cells of donor origin and its targets were *HLA* class II molecules (at least *HLA* -DR and DQ). The progressive disappearance of this autoreactivity was correlated with the engraftment of Ia-positive cells (monocytes plus B lymphocytes) of donor origin and the achievement of complete immunological reconstitution. In the patient showing the strongest autoreactivity, a *donor*-*specific* T cell line has been grown which was shown to specifically inhibit the proliferative response of donor lymphocytes. Concomittantly, the immunological reconstitution remains poor in this patient. These data suggest that tolerance to *HLA* class II molecules is dependent on the presence of the relevant *HLA* class II molecule-expressing cells allowing the elimination or the suppression of T lymphocytes specifically directed at these molecules.

; Graft vs Host Disease--immunology--IM; *HLA*-DQ Antigens; *HLA*-DR Antigens; Longitudinal Studies; Lymphocyte Activation; T-Lymphocytes

--immunology--IM
Chemical Name: *HLA*-DQ Antigens; *HLA*-DR Antigens; Histocompatibility Antigens Class II

11/3,K/3 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0013998066 BIOSIS NO.: 200200591577
Human liver allograft acceptance and the "tolerance assay": II. Donor *HLA* -A, -B but not DR antigens are able to trigger regulation of DTH
AUTHOR: Jankowska-Gan Ewa (Reprint); Rhein Tonja; Haynes Lynn D; Geissler Felix; Mulder Arend; Kalayoglu Munci; Sollinger Hans; Burlingham William J
AUTHOR ADDRESS: Department of Surgery, 600 Highland Avenue, H4/781 CSC, Madison, WI, 53792, USA**USA
JOURNAL: Human Immunology 63 (10): p862-870 October, 2002 2002
MEDIUM: print
ISSN: 0198-8859
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

Human liver allograft acceptance and the "tolerance assay": II. Donor *HLA* -A, -B but not DR antigens are able to trigger regulation of DTH

...ABSTRACT: donor leukocytes triggered linked suppression of the response to recall antigens tetanus toxoid (TT) or Epstein-Barr virus (EBV). Since both donor antigen sources contain *HLA* class I and class II proteins, we wished to determine which donor *HLA* proteins were responsible for the linked suppression effect. PBMC from four liver transplant recipients with *donor*-*specific* DTH regulation were studied. Surprisingly, we found that single donor *HLA*-A or B antigens (4/4 patients) but not single *HLA*-DR (0/4) donor antigens triggered linked suppression of DTH. A dose response study of two patients revealed that donor-type *HLA*-DR antigens (0.5-500ng) were not capable of triggering any linked suppression; however, as little as 500pg of donor-type *HLA*-class I protein triggered linked suppression of DTH response to a recall antigen. These findings may have implications for the differential impacts of class I vs class II mismatching in organ transplantation. On a practical level, they indicate that soluble *HLA*-A and B antigens are the proper choice for detection of DTH regulation as part of a "tolerance assay" in human liver transplant recipients.
DESCRIPTORS:
...ORGANISMS: strain-CB-17 *SCID*
CHEMICALS & BIOCHEMICALS: *HLA* proteins {human leukocyte antigen proteins...

...*HLA*-A {human leukocyte antigen-A...

...*HLA*-B {human leukocyte antigen-B...
...*HLA*-DR {human leukocyte antigen-DR

11/3,K/4 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0013536278 BIOSIS NO.: 200200129789
Engraftment of allogeneic mesenchymal stem cells in human. The case of a patient with severe aplastic anemia
AUTHOR: Fouillard Loic (Reprint); Bensidhoum Morad; Lopez Manuel; Lesage Sylvie (Reprint); Thierry Dominique; Chapel Alain; Bories Dominique; Bouchet Sandrine; Moseley Anne-Marie; Gourmelon Patrick; Leon Anne; Beaujean Francoise; Karim Abdul; Najman Albert (Reprint); Gorin Norbert Claude (Reprint)

AUTHOR ADDRESS: Department of Hematology, Hopital Saint-Antoine, Paris, France**France
JOURNAL: Blood 98 (11 Part 1): p85a November 16, 2001 2001
MEDIUM: print
CONFERENCE/MEETING: 43rd Annual Meeting of the American Society of Hematology, Part 1 Orlando, Florida, USA December 07-11, 2001; 20011207
SPONSOR: American Society of Hematology
ISSN: 0006-4971
DOCUMENT TYPE: Meeting; Meeting Abstract; Meeting Poster
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: Bone marrow mesenchymal stem cells (MSCs) support hematopoiesis by producing cytokines and adhesion molecules. Engraftment of human MSCs has been previously demonstrated in NOD-*SCID* mouse model. Clinical studies showed that MSCs can accelerate hematopoietic recovery following high dose therapy and autologous hematopoietic stem cell transplantation in humans. However, there...

...and to benefit from the immunosuppressive properties of allogeneic MSCs. Before MSCs infusion, performance status was poor mainly related to a fungal sepsis. Sex and *HLA* mismatched allogeneic MSCs were obtained from the patient's son. Forty ml of donor bone marrow were cultured according to Osiris Therapeutics standard protocol. A...

...the Y specific SRY gene was performed on bone marrow biopsy extracted DNA. DNA quality and quantity were assessed using superoxide dismutase gene amplification. SRY *donor* *specific* gene was detected in two serial bone marrow biopsy samples, 11 days after first MSCs infusion and post mortem. In addition, serial bone marrow biopsies...
DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ...*HLA*;

```
?ds

Set     Items   Description
S1       1968   (HLA) (S) (TRANSGENIC)
S2        113   S1 (S) (DR3/DQ2 OR DR3-DQ2 OR DR3)
S3      23743   (RAG-1 OR RAG-2 OR SCID)
S4        984   (KNOCKOUT OR DISRUPTION) (S) (TCR OR CD3 OR (IG (W) GENES))
S5      24695   S3 OR S4
S6          0   S5 AND S2
S7          0   S2 AND (IMMUNODEFICIENT)
S8          0   S2 AND (DONOR (W) SPECIFIC)
S9         68   S5 AND (DONOR (W) SPECIFIC)
S10         6   S9 AND (HLA)
S11         4   RD (unique items)
?s s5 and review
          24695  S5
        1586080  REVIEW
     S12    716  S5 AND REVIEW
?s s12 and (DR3 or DRab or DQab)
            716  S12
           7854  DR3
            125  DRAB
              0  DQAB
     S13      0  S12 AND (DR3 OR DRAB OR DQAB)
?s s5 and (DR3 or DRab or DQab)
          24695  S5
           7854  DR3
            125  DRAB
              0  DQAB
     S14      5  S5 AND (DR3 OR DRAB OR DQAB)
?rd
...completed examining records
     S15      3  RD (unique items)
?t s15/3,k/all
```

15/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11996655 99442250 PMID: 10514092

Prevention of autoimmune attack by targeting specific T-cell receptors in a severe combined immunodeficiency mouse model of myasthenia gravis.

Aissaoui A; Klingel-Schmitt I; Couderc J; Chateau D; Romagne F; Jambou F; Vincent A; Levasseur P; Eymard B; Maillot M C; Galanaud P; Berrih-Aknin S; Cohen-Kaminsky S

CNRS ESA 8078, Hopital Marie Lannelongue, Le Plessis Robinson, France.

Annals of neurology (UNITED STATES) Oct 1999, 46 (4) p559-67, ISSN 0364-5134 Journal Code: 7707449

Comment in Ann Neurol. 1999 Oct;46(4) 553-5; Comment in PMID 10514090; Comment in Ann Neurol. 1999 Oct;46(4):556-8; Comment in PMID 10514091

Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... receptor. We have previously demonstrated a selection bias of CD4+ T cells expressing the Vbeta5.1 T-cell receptor gene in the thymus of HLA-*DR3* patients with MG. To evaluate the pathogenicity of these cells, severe combined immunodeficiency mice engrafted with MG thymic lymphocytes were treated with anti-Vbeta5.1...
... indicating that Vbeta5.1-positive cells are involved in the production of pathogenic autoantibodies. Acetylcholine receptor loss was prevented by Vbeta5.1 targeting in HLA-*DR3* patients only, demonstrating specificity for HLA-*DR3* -peptide complexes. The action of the anti-Vbeta5.1 antibody involved both the in vivo depletion of Vbeta5.1-expressing cells and an increase in...
; Adolescent; Adult; Disease Models, Animal; Mice; Mice, *SCID*; Receptors, Cholinergic--immunology--IM

15/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

06052815 89067822 PMID: 2462006

Antigen recognition by MHC-incompatible cells of a human mismatched chimera.

Roncarolo M G; Yssel H; Touraine J L; Bacchetta R; Gebuhrer L; De Vries J E; Spits H

UNICET, Laboratories for Immunological Research, Dardilly, France.

Journal of experimental medicine (UNITED STATES) Dec 1 1988, 168 (6) p2139-52, ISSN 0022-1007 Journal Code: 2985109R

Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Tetanus toxin (TT)-specific T cell clones of donor origin were obtained from a patient with severe combined immunodeficiency (*SCID*) successfully reconstituted by transplantation of allogeneic fetal liver and thymus cells from two different donors performed 10 yr ago. A series of these clones recognized...

... with the HLA phenotype of the first donor (HLA-DR1,8) and one T cell clone with the HLA phenotype of the second transplant (HLA-*DR3*,9) was HLA-DR4 of the recipient, whereas other T cell clones derived from the second transplant recognized TT in the context of HLA-DR5...

15/3,K/3 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE